

## Voice collecting microphone capsule for hands-free telephone

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H04R3/02; IPC1-7; H04M1/02

- European: H04R1/06D; H04R1/10D; H04R3/02

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## Cited documents:

EP0719018 (A1)

EP0092822 (A2)

EP0100080 (A2)

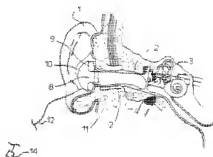
EP0671862 (A1)

JP63080698 (A)

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## Abstract of FR 2755561 (A1)

The device has an aural reception part (10) which is placed in an auditory canal (2) in the ear. There is a sound isolating part (9) which is located upstream, in the insertion direction, in which a microphone capsule (11) is housed. There is also a sealing pad. There is an associated electronic circuit in which a transistor collector is coupled to a supply source, and the microphone is connected through a coupling capacitor across the base-emitter junction of the n-p-n transistor common emitter amplifier. Connections to the circuit replace those of the microphone of a telephone handset. There is a sounder which may be a loudspeaker amplified, from the base of the telephone. This may also take the form of an earpiece inserted in the auditory canal, distinct from the microphone, each being allocated into one ear of the user. The microphone capsule includes a switchover to alternate the circuit between the earpiece and microphone or else a passband or attenuation band filter, to avoid a Larsen effect coupling between them.



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